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2020年12月10日 leukotomy

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2020年12月10日 Molecular Clock

2020年12月10日 Behaviorism

2020年12月10日 tradeoff

2020年12月10日 Demis Hassabis Deepmind potentially a meta-solution to any problem Deepmind Reward is Enough

2020年12月10日 causation Demis

Hassabis **any problem**

Demis Hassabis **any problem**

SAE level 4

Waymo SAE level 4 SAE level 5

SAE level 4

AI: A Modern Approach

AlphaGo Zero

Leukotomy selfish gene

logical positivism logical empiricism

Universal Approximation Theorem Nash Embedding Theorems word-embedding Vector Space

Deepmind AlphaGo Zero

1. The first step in the process of causation is the identification of the cause.

2. The second step is the identification of the effect.

3. The third step is the identification of the reward. Deepmind's Reward is Enough.

4. A Treatise on Probability causation.

5. causation.

6.

1. The first step in the process of causation is the identification of the cause.
2. The second step is the identification of the effect.
3. The third step is the identification of the reward.

7. "Confucius taught that marriage lies at the foundation of government." causation.

8. Marc Aurel Stein John Leighton Stuart.

9. causation.

10.

11. Demis Hassabis.

12.

13. Totally Ordered Set.

14.

[illegible]

**Hawthorne effect**

[illegible][illegible][illegible][illegible]

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context

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Царь Царь Caesar Царь  
Царь Император

Demis Hassabis potentially a meta-solution to any problem

NIH leukotomy

leukotomy

First, if scientists have tried, and failed, to come up with an alternative theory that explains a phenomenon well, that counts as evidence in favor of the original theory. Second, if a theory keeps seeming like a better idea the more you study it, that's another plus-one. And if a line of thought produced a theory that evidence later supported, chances are it will again.

Historia Naturalis Philosophiae Naturalis scientia naturalis

Are there really many worlds in the "Many-worlds interpretation" of Quantum Mechanics?the development of «decoherence theory» revealed that, using the standard formalism of quantum mechanics, macroscopically distinct branches of the wavefunction were almost entirely free from interference and evolve approximately classically almost

The Many-worlds Interpretation

“”

“”

1975 Robert McNamara 1976 Steve Jobs Apple

Deep Learning reinforcement learning Brain in a vat

Demis Hassabis potentially a meta-solution to any problem metaphysics from human does not work

superstition

Robert McNamara □□ Whiz Kids□□□□□□□□□□McNamara □□□□□□□□□□□□  
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McNamara Kissinger Aspen Institute Henry Kissinger

1945 1967

Pepper “” Pepper

AlphaGo Zero superhuman

Deep Learning Is Hitting a Wall<https://nautil.us/deep-learning-is-hitting-a-wall-14467/>

not scaling toxicity

1. UTStarcom
- 2.
3. WebEx Zoom
4. Aldebaran Robotics ARM Pepper

Nvidia ARM Alphabet



Philosophiae Naturalis  
Historia Naturalis

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Marvin Minsky  
The Emotion Machine: Commonsense Thinking, Artificial Intelligence, and the Future of the Human Mind  
emotion  
machine  
Turing Test

Minsky  
Philosophiae Naturalis

AI: A Modern Approach  
SAE level 4

Pepper  
Philosophiae Naturalis

Philosophiae Naturalis

[illegible]

consciousness

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